

Page 1 of 2

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NUMBER

FILING OR 371 (c) DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

10/840,208

05/05/2004

Soonkap Hahn

81665/6776

CONFIRMATION NO. 7906

22242 FITCH EVEN TABIN AND FLANNERY 120 SOUTH LA SALLE STREET **SUITE 1600** CHICAGO, IL 60603-3406

FORMALITIES LETTER *OC000000013145168*

Date Mailed: 07/06/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

09/09/2004 MMEKDNEN 00000001 061135 10840208

385.00 DA

01 FC:2001 02 FC:2202 9.00 DA 03 FC:2051 65.00 DA

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below. however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing. Applicant must submit \$ 385 to complete the basic filing fee for a small entity.
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase Patentin Software, call (703) 306-2600
- For Patentin Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

The applicant needs to satisfy supplemental fees problems indicated below.

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The required item(s) identified below must be timely submitted to avoid abandonment:

• Additional claim fees of \$9 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is \$459 for a Small Entity

- \$385 Statutory basic filing fee.
- \$65 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is \$9
 - \$9 for 1 total claims over 20.

Replies should be mailed to:

Mail Stop Missing Parts

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

A copy of this notice MUST be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

10/840,208

PTO/SB/21 (08-03)
Approval for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number

TRANSMITTAL FORM				Filing Date	-	May 5, 2004		
				First Named Inventor		Zhiyl Xie et al.		
(to be used for all correspondence after initial filing)			Art Unit		1645			
				Examiner Name		TBD		
Total Number	of Pages in This Sub	mission	21	Attorney Docket Number		81665/6776		
	·	E	NCLOS	URES (check all that ap	plv)			
X Fee Transmittal	Form		Drawing(s)			After Allowance Communication to Group		
Fee At	Fee Attached			g-related Papers		Appeal Communication to Board of Appeals and Interferences		
Amendment / Re	Amendment / Reply					Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
After F	inal	Petition to Convert to a Provisional Application				Proprietary Information		
Affidav	rits/declaration(s)		Power of Attorney, Revocation Change of Correspondence Address			Status Letter		
Extension of Time Request			Terminal Disclaimer			Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund			Read	Sequence Listing; 2) Disk of Computer Readable Sequence Listing; 3) Request for Corrected Official Filing Receipt; 4) Copy of		
Information Disc	losure Statement	CD, Number of CD(s)			Officia	Official Filing Receipt; 5) Copy of Notice to File Missing Parts; and 6) Return Receipt Postcard		
Certified Copy of Priority Document(s)		REMARKS:						
Response to Missing Parts/ Incomplete Application						·		
Response to Missing Parts under 37 CFR 1.52 or 1.53								
	SIGN	ATUR	E OF A	PPLICANT, ATTORNE	Y, OR A	GENT		
Individual name Scott J. Menghini, Reg. No/42,880								
Signature Sw J Md								
Date September 3, 2004								
CERTIFICATE OF TRANSMISSION/MAILING								
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 the date shown below. September 3, 2004								
Typed or printed name Scott J. Menghini								
Signature Sco Japan			A		Date	September 3, 2004		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents. P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the apperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

EE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision. First Class Mail

Applicant claims small entity status. See 37 CFR TOTAL AMOUNT OF PAYMENT (\$) 459.00

0 8 2004

Complete if Known					
Application Number	10/840,208				
Filing Date	May 5, 2004				
First Named Inventor	Zhiyi Xie et al.				
Examiner Name	TBD				
Art Unit	1645				
Attorney Docket No.	81665/6776				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit Card Money Order Other None		DITIO Entity	Smal	I Entity		
X Deposit Account		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Pald
	1051	130	2051	65	Surcharge - late fling fee or oath	65.00
Deposit Account Number	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Deposit Account Name Fitch, Even, Tabin & Flannery	1053	130	1053	130	Non-English specification	
The Director is authorized to: (check all that apply)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
X Charge fee(s) indicated below X Credit any overpayments	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
X Charge any additional fee(s) or any underpayment of fee(s)	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
Charge fee(s) indicated below, except for the filing fee	1251	110	2251	55	Extension for reply within first month	
to the above-identified deposit account.	1252	420	2252	210	Extension for reply within second month	
FEE CALCULATION	1253	950	2253	475	Extension for reply within third month	
1. BASIC FILING FEE	1254	1,480	2254	740	Extension for reply within fourth month	
Large Entity Small Entity	1255	2,010	2255	1,005	Extension for reply within fifth month	
Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)	1401	330	2401	165	Notice of Appeal	1 i
1001 770 2001 385 Utility filing fee 385.00	1402	330	2402	165	Filing a brief in support of an appeal	
1002 340 2002 170 Design filing fee	1403	290	2403	145	Request for oral hearing	
1003 530 2003 265 Plant filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1004 770 2004 385 Reissue filing fee	1452	110	2452	55	Petition to revive - unavoidable	
1005 160 2005 80 Provisional filing fee	1453	1,330	2453	665	Petition to revive - unintentional	
SUBTOTAL (1) (\$) 385.00	1501	1,330	2501	665	Utility issue fee (or reissue)	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1502	480	2502	240	Design issue fee	
Fee from Extra Claims below Fee Paid	1503	640	2503	320	Plant issue fee	
Total Claims 21 -20**= 1 X 9.00 = 9.00	1460	130	1460	130	Petitions to the Commissioner	
Independent -3**= X = =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Multiple Dependent =	1806	180	1806	180	Submission of Information Disclosure Stmt	
Smal Large Entity Entity	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Fee Fee Code (\$) Fee Description	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	For each additional invention to be	
1201 66 2201 43 independent dains in excess of 3	1810	770	2010	303	examined (37 CFR § 1.129(b))	
1204 86 2204 43 **Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 9.00	Other	fee (spec	ify)			
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by B	asic Filin	g Fee P	aid SUBTOTAL (3) (\$)	65.00

SUBMITTED BY		 		Comp	ete (if applicable)
Name (Print/Type)	Scott J. Menghini	Registration No. (Attorney/Agent)	42,880	Telephone	858-552-1311
Signature	Scoo / W/			Date	September 3, 2004

WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization of PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Zhiyi Xie et al.	Certificate of Mailing				
Application No.:	10/840,208	 I hereby certify that this correspondence is being deposited with the United States Postal Service with 				
Filed:	May 5, 2004)	sufficient postage as first class mail in an envelope addressed to:				
Title: DETECTION DISORDERS	OF CHROMOSOMAL)	Mail Stop Missing Parts Commissioner for Patents P.O. Box 1450				
Art Unit:	1645	Alexandria, VA 22313-1450				
Confirmation No.:	7906	on this date: 09/03/2004 Sould Tipe				
Customer No.:	22242	Date Scott J. Menghini				

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Mail Stop Missing Parts Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This is in response to a Notice to File Missing Parts of Application under 37 C.F.R. 1.53(f). Enclosed is a copy of said Notice and the following documents and fees to complete the filing requirements of the above-identified application.

- (X) Executed Declaration and Power of Attorney. The above-identified application is the same application which the inventor executed by signing the enclosed declaration.
- (X) Statutory basic filing fee
- (X) Utility ()

Design

- (X) Additional claim fees of \$ 9.00
- (X) Missing Parts Surcharge \$ 65.00
- (X) Sequence Listing and Computer Readable Sequence Listing

Date: September 3, 2004

Respectfully submitted,

Address all correspondence to:

FITCH, EVEN, TABIN & FLANNERY 120 S. La Salle Street, Suite 1600 Chicago, Illinois 60603-3406

Phone: (858) 552-1311 Fax: (858) 552-0095 By:

Scott J. Menghini Reg. No. 42, 880